



MISSION

Provide the infantry soldier with a decisive overmatch capability by developing the next-generation weapon system which will dramatically increase his lethality, range and capability through the use of high explosive air-burst ammunition.

DESCRIPTION AND SPECIFICATIONS

The Objective Individual Combat Weapon (OICW) will replace selected M16 rifles, M4 carbines. The modular, dual-barrel OICW will combine the lethality of a 20 mm air-bursting munition, a 5.56 mm North Atlantic Treaty Organization (NATO) ammunition, and a full-solution fire control to affect decisively violent and suppressive target effects and provide a leap ahead in small arms performance. This fire control will incorporate a laser rangefinder, ballistic computer, direct view optics, video sight, electronic compass, thermal capability and a target tracker. The OICW's high explosive air bursting munition will be capable of defeating not only exposed targets, but those in defilade (targets that have taken cover behind structures, terrain features and/or vehicles), a capability which the current rifle and carbine do not have. The OICW will provide an overmatch in system effectiveness by doubling the infantryman's stand-off range to 1,000 meters, effective day/night operation, and significant improvements in lethality and target effects (probability of incapacitation and suppression), while increasing the versatility and survivability of the soldier. The OICW will be fully compatible with the digital battlefield and will provide the lethality upgrade for the Land Warrior.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

During 1999, the U.S. government joint service technical and user team and the contractor team led by Alliant Techsystems conducted the OICW Advanced Technology Demonstration (ATD). The demonstration, which consisted of both technical and user testing of three OICW ATD prototypes, culminated in a troop demonstration during August 1999. The OICW completed the remaining ATD testing in 1QFY00, proving the feasibility of the concept. The ATD has successfully completed its purpose: demonstrating the concept and highlighting areas of risk.

PROJECTED ACTIVITIES

FY00 Milestone I and transition to the Office of the Product Manager, Small Arms (OPMSA) for the program definition and risk reduction (PD&RR) phase.

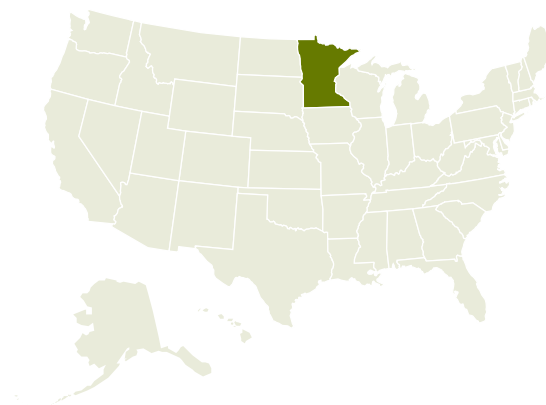
FY00-02 PD&RR phase which will utilize simulation and modeling for acquisition, requirements and training (SMART) to produce and test a near-final design of the OICW for engineering and manufacturing development (EMD).

FY03-06 EMD.

FY07 First unit equipped.

PRIME CONTRACTORS

Alliant Techsystems (Hopkins, MN)



* See appendix for list of subcontractors

